

December 30, 1950.

Dear Aaron:

Here are the cultures of colicin-producing *E. coli* from Fredericq. The labels refer to the type of colicin according to Fr.; the cultures themselves were received with the following designations: V; CA-7.

A: CA-31; B: CA-18; D: CA-23; E: CA-38; F: CA-42; G: CA-46

H: CA-58; I: CA-53; K: K-235 (also lysogenic). I haven't given them W-numbers. For symbolizing crosses, I have used the symbol  $Cka^R$  for a mutant resistant to colicin A, etc.

Since I don't have much experience with the colicins yet, you may have to play around with them some. Fredericq has a rather detailed account in a review published as a supplement to: *Rev. Med. de Liege*, 4:193... 1949. He has done some variance analyses of mutations to  $Ck^R$ , and concluded that they are spontaneous. He states that *E. coli* B is sensitive to each of the colicins in this group.

Esther and I want to thank Jane and yourself for your hospitality, which we very much appreciate. We will the more so if we can return it before too long.

Nothing has been heard of yet from Lowe's, but it might be too soon to expect delivery even if he had sent it out in a reasonable time. If he doesn't send it out fairly soon, however, I may have to cancel the order and duplicate it here. But don't put on any pressure just yet.

A very happy new year to you both,

Sincerely,

Joshua.